

Wanderings Awheel



MEND CYCLE COMPANY
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N presenting our 1898 models to the public, we fully recognize that each year adds largely to the critical judgment and mechanical knowledge of every rider, and the task of satisfying becomes more and more exacting.

Our aim in this catalogue is to combine the artistic and commercial, and we show seven of the most beautiful scenes in the United States. The idea is of a wandering tour by a couple of cyclists, and we show them amid their most interesting surroundings, adapting the pictures to our purpose by merely substituting the different models of our Sentinel Bicycles for the one that would naturally be ridden on such a tour.

The wheels as shown in the illustrations are exact reproductions of the models represented, and are correct in appearance and details of construction.

We have spared no pains or expense in our effort to make Sentinel Bicycles the finest in the world. In the four years of its existence our wheel has made many friends. *They are our friends.* Upon the strength of their kind words we will venture the assertion that we have not been unsuccessful in embodying in a bicycle the characteristics of the time-honored name it bears.

Sentinel quality means the best in everything that goes in or on our bicycle, and Sentinel quality will always be maintained at any price. Only skilled labor is employed in every department, and this, with the use of the finest material that can be obtained, produces only first-class bicycles.

In our three models we have accomplished our purpose of supplying bicycles for the most fastidious at varying prices that bring a reliable mount within the reach of all. Our aim has been to secure perfection in both quality

and appearance, and our success during the season of 1897 has given us added encouragement for this year. We have designed and present for 1898 special features, which we are confident will fully meet the expectations of the most exacting purchaser, and sustain our claim to superiority over all other makers.

Hoping to retain our host of old friends and make many new ones, we are, as ever, for the best bicycles at the lowest possible prices,

MEAD CYCLE COMPANY.







The accompanying scene shows Royal Gorge in the Grand Canon of the Arkansas. It is a mere crack in the foothills of the Rockies, and in places is so narrow that the river fills it from wall to wall. This is one of the most famous pieces of scenery in the United States, and rivals anything seen in the Alps. The extreme height reached by the cliffs is said to be 3,000 feet, and there are parts of the chasm where the sun shines for only an hour or two, near midday. The building of the Denver & Rio Grande Railroad through this canon was one of the greatest engineering feats ever attempted.

The bicycle in the foreground is an exact reproduction, to the smallest detail, of our SENTINEL SPECIAL. In this machine is combined the most excellent and faultless construction, with every improvement that brains have devised and experience has proven of value. It is the highest type of bicycle construction. In material, finish and ornamentation, we have endeavored to make this a SPECIAL in every sense of the word. While sufficiently light for racing purposes, we strongly recommend it as an all around road wheel. We particularly wish to call attention to the specifications of this machine, as in our eccentric hanger and special finish we have two points entirely different and far superior to anything on the market.



FRAME—Flush joints throughout. Constructed of best nickel steel tubing, which is twice as strong as any other kind, $1\frac{1}{4}$ -inch diameter, 22 gauge, special reinforcements; rear stays, round, $\frac{3}{4} \times 22$ gauge; rear forks $\frac{7}{8}$ -inch, D shaped, tapered to $\frac{3}{4}$ -inch, 18 gauge; connected with hanger bracket by an elliptical brace and a royal arch crown instead of direct as in the old styles; heights of frame 21, 23 and 25 inches.

CRANK HANGER—A new and improved eccentric, doing away with rear chain adjustment, which has been one of the most troublesome points in modern bicycles. By this change is secured $2\frac{1}{2}$ or 3 inches drop in the same machine, simply by reversing the eccentric as described on opposite page. The construction is simplicity itself, and much stronger than any other method of adjusting the chain. Cups and cones turned from special tool steel, perfectly ground, polished and tempered in oil. Largest size balls used. Cranks square, gracefully tapered and of an improved two-piece pattern, spring steel, wonderfully simple and practically unbreakable, $6\frac{1}{2}$ and 7-inch throw.

FRONT FORK—Drop forged oval crown. "Royal Arch" pattern, nickeled; sides highly finished and ornamented with nickel tips.

WHEELS—28-inch rims; best grade "Plymouth" second growth hickory, one piece; enameled white, handsomely striped in gold. Spokes: Excelsior Needle Co.'s finest quality 72-1000 and 55-1000 inch diameter, full swaged and highly nickeled; 32 to front and 36 to rear wheel.

HUBS—Barrel pattern, turned from solid steel bars, highly finished, fitted with ball retainers and dust proof devices; improved direct lubricating device. Cups and cones turned from special tool steel, perfectly ground, polished and tempered in oil.

CHAIN—Imported Humber; 3-16 inch; polished side links, with straw or bronze colored blocks.

SPROCKETS—Drop forged and hardened, detachable; front sprockets with 22, 24, 26 or 28 teeth, rear with 7, 8, 9 or 10 teeth.

GEAR—Regular 74; 24 and 9 tooth sprockets; option 61 to 112 gear. Tread, $4\frac{7}{8}$ inches.

HANDLE BARS—Any style steel bar; cork grips; rubber ferrules and tips inlaid with German silver.

PEDALS—Record, Brandenburg, King, or other make; rat trap or combination rubber.

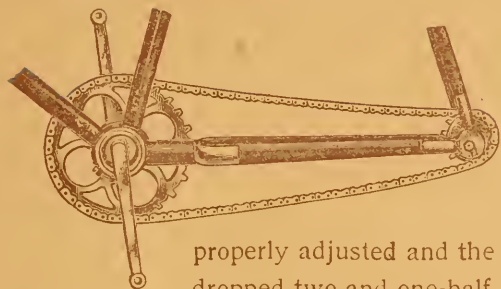
SADDLES—Garford, Gordon, Brown, Plew, Sager, Messinger, Hunt, or any standard saddle. Certain patented makes will be charged actual difference in wholesale cost extra. Our special pattern saddle and tool bag will be furnished in a color to harmonize with the frame.

TIRES—Morgan & Wright quick repair, double tube or single tube tires will be furnished regularly on all our high grade models.

FINISH—A special mottled enamel, which is put on by a secret process of our own, and is entirely different from anything else on the market. Over the enamel are applied several coats of a special varnish, each coat of which is baked and hand rubbed. The result is a high finish equal to that secured on the finest piano, and which is almost indestructible. All frame connections, including rear arch crown and brace, nickeled, making a beautiful combination. Our colors are rich dark maroon, Brewster green, or royal blue, or plain black, all handsomely decorated with the finest transfers. Tool Bag: Of new and expensive design, equipped with full line of accessories of the best quality obtainable.

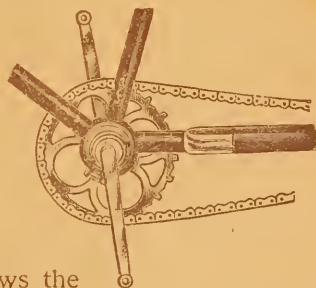
WEIGHT—20 to 23 lbs. Options, any gear, color and finish; any tire, saddle, pedals or other equipment. Special orders subject to delay, and in some cases additional charge.

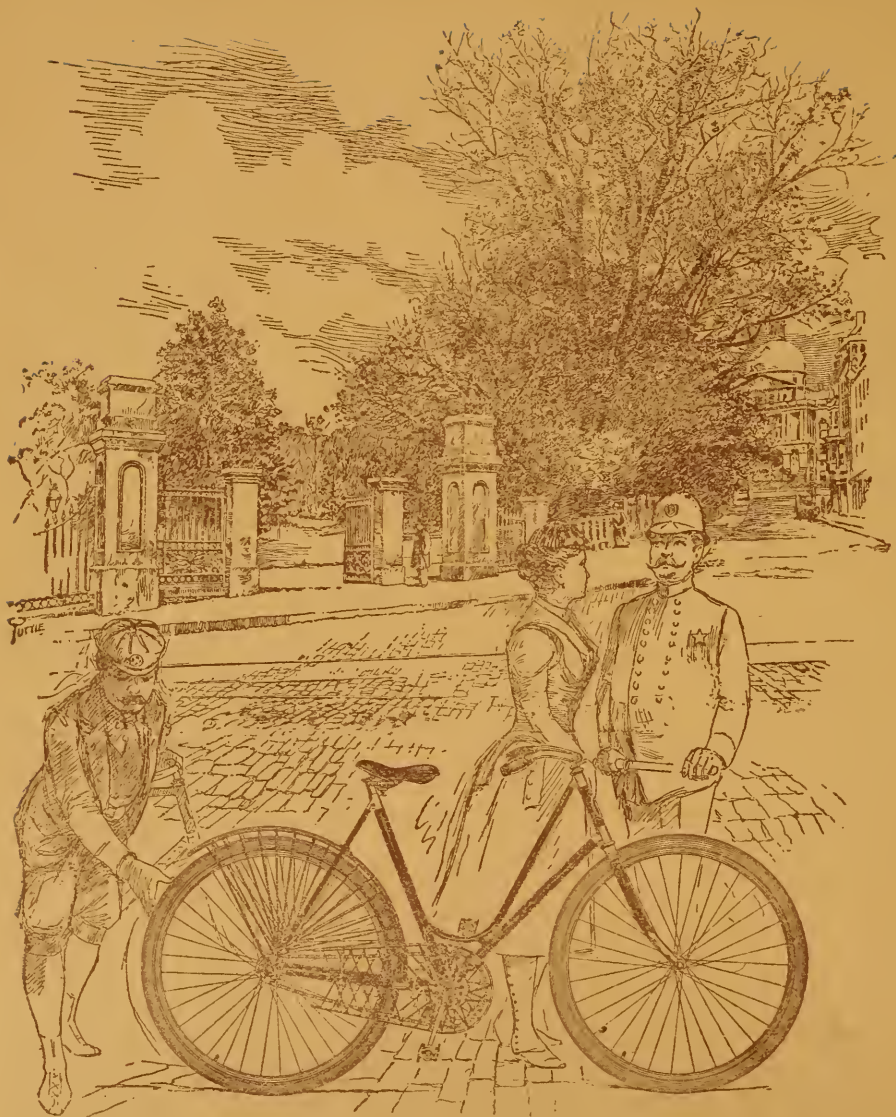
By our new eccentric hanger we accomplish two results long wished for by bicycle manufacturers. The abolishing of rear chain adjusters, and securing two and one-half and three inches drop in the crank hanger on the same machine.



The first cut shows the chain properly adjusted and the eccentric set so that the crank axle is dropped two and one-half inches, which is standard for road machines. The second cut shows the eccentric set so that the axle is dropped three inches, which is the proper amount for racing purposes.

The chain is adjusted by simply moving the eccentric slightly to the right or left, as the chain is wanted tighter or looser. This is the only method by which a chain can be accurately adjusted, as the rear wheel is stationary and does not have to be reset, as when rear adjustment is used. The eccentric is held firmly in place by a flange on the inside of hanger bracket, and by the screw that draws the bracket together.



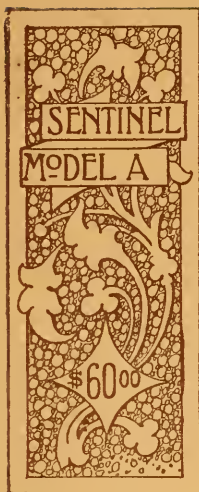




The picture on the opposite page is of Boston Common, Boston, Mass. To a Bostonian, the "Common" is almost sacred ground. It dates from 1634, and by the city's charter is made public property forever. It is unusual for a city to have in its very heart a park of 48 acres. Every American has an interest in Boston's famous "breathing spot," associated in memory as it is with the Revolution. Within a stone's throw of the Common is the old Burying Ground, where lie the patriots John Hancock and Samuel Adams.

The bicycle in the foreground is our LADIES' SENTINEL SPECIAL. The general specifications of this machine are identical with those of the gentlemen's wheel, with the usual modifications found in the drop frame machine. The tubing, bearings and finish are the same, and the equipment is of the same high standard described in the diamond frame "Special." The principal points of difference are: Drop frame, gracefully curved, 21 and 23 inches high; raised or adjustable handle bar; 6½-inch cranks; slightly lower range of gear; ladies' style of saddles and pedals; and dress and chain guards of the most improved pattern. The important 1898 improvements, such as two-piece cranks, expansion device for holding handle bar and seat post, and our patent eccentric hanger, are all a part of the Ladies' Special





The illustration on page 10 is of Alaska Totem Poles. The recent discoveries of gold in Alaska, and the accompanying rush to the Klondike and other newly developed fields, makes anything peculiar to that country interesting. In front of the rude cabins of Alaska Indians frequently rise tall, hideous posts, sometimes 100 feet in height, which are called Totem Poles. From top to bottom they are carved into grotesque resemblances to human faces or forms of bears, wolves, birds and fishes. They are erected in memory of a dead Indian, and the height of the poles is supposed to indicate the rank of the deceased.

The wheel in the foreground is our SENTINEL MODEL A. While not quite so elaborate in finish, and lacking the distinctive feature of the eccentric hanger, our Model A is a strictly high grade bicycle in every sense of the word. It is the equal of any, and the superior of most machines being retailed at \$75.00. Our aim has been to make it a bicycle of the best quality, and at the same time place the price within the reach of those who cannot afford to buy the most expensive models.



Specifications

FRAME—Flush joints throughout, constructed of best seamless tubing, made from imported Swedish steel billets of 50 per cent carbon. Main tubes $1\frac{1}{2}$ -inch diameter, 20-gauge; rear forks $\frac{3}{4}$ -inch, D shaped, offset and tapered to $\frac{3}{8}$ -inch; back stays $\frac{3}{8}$ -inch, offset over tire. All connections best drop forgings. Height of frame, 22, 24 and 26 inches.

CRANK HANGER—1898 model Fauber's patent, with star sprocket and diamond shaped cranks and shaft of one piece of spring steel, carefully forged; cups and cones made of Jessup tool steel carefully tempered in oil, ground and polished. The hanger bracket is dropped $2\frac{1}{4}$ inches below center line of wheels.

FRONT FORK—Drop forged arch crown, fork sides 1-inch seamless tubing, special taper, reinforced. Highly finished and ornamented with nicked crown and tips.

WHEELS—28-inch. Rims, best grade Plymouth, mahogany stained. Spokes, Excelsior Needle Company's best quality 15-17 size.

HUBS—Barrel pattern, and are specially designed to produce easy running bearings. Turned from solid steel bars, with cones and cups made of Jessup tool steel, carefully tempered in oil, ground and polished. Fitted with dust proof felt washers, ball retaining devices, and oil tube leading direct to bearings.

CHAINS—Are made to our order, B pattern blocks, hardened and polished blued side plates, straw colored blocks; rivets made of Harveized steel.

GEAR—68 to $77\frac{1}{2}$ regular; option, 60 to 96.

HANDLE BARS—Steel adjustable of any style, fastened with patent expander, doing away with all bolts.

PEDALS—Brandenburg, Record, Crosby or other first quality pedals, either rat trap or combination rubber.

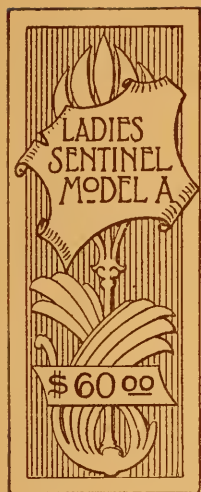
SADDLES—Regular; Brown pattern padded saddle. Option, any saddle made. Some patented makes will be charged actual difference in wholesale cost extra.

TIRES—Morgan & Wright quick repair double or single tube tires will be furnished regularly on all our high grade models.

FINISH—Best quality enamel, carefully applied, each coat separately baked and hand rubbed. Decorated with handsome transfers. Colors, black, blue, maroon and green.

WEIGHT—22 to 24 pounds.



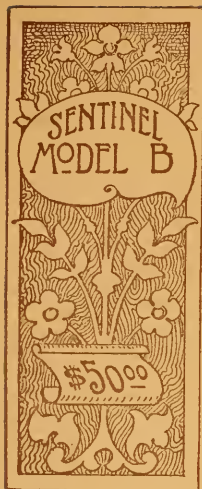


The engraving on the opposite page shows the old City Gate at St. Augustine, Fla. It is all that remains of a massive wall built by the Spaniards under Menendez, who established themselves at St. Augustine in 1565, more than half a century before the Mayflower brought the Pilgrims into Plymouth Harbor. The wall was built across the entire peninsula from shore to shore to protect the city on the north. The greater part of this has crumbled in decay or has been removed, until now the "City Gate" is all that remains.

The wheel shown is our LADIES' SENTINEL MODEL A, in which machine our endeavor has been to produce a bicycle possessing in a marked degree the essential qualities of a high grade bicycle—beauty, speed and durability.

Good material and knowledge of how to use it, combined with the most rigid inspection, insure a complete machine of the highest quality. They are superbly enameled, striped and ornamented. We feel sure that the absolute honesty and faultlessness of the all around make up of these wheels will continue to add to their popularity and success. The detailed specifications of the Ladies' Sentinel Model A are the same as the gentlemen's, with such changes as are usual for the ladies' pattern





On the opposite page is a picture of "Wawona," the Big Tree of Mariposa Grove, California. Who has not heard of the "Big Trees" of California? "Wawona" is the largest of them all. A stage coach with driver, passengers and horses, can be driven through the upright hollow trunk of this forest giant, which is still sufficiently alive to bear leaves on its branches *300 feet above the ground.*

Our SENTINEL MODEL B is shown in the foreground of the picture. As a companion to the Sentinel Special and Model A, the Model B is necessarily of first-class materials and workmanship. We have endeavored to make this wheel the equal of the 1898 high grade bicycles in every essential particular, and are fully satisfied with the result.

To those who do not insist on having all the latest fancies, we recommend the Sentinel Model B as a handsome and trustworthy mount, which cannot be excelled for easy running qualities and durability.



...Specifications...

FRAME—Diamond pattern, imported seamless tubing, main tubes 1 1/4-inch, with 1 1/4-inch top tube, head 1 3/4-inch, rear forks 3/4-inch, D shaped, tapered to 1/2-inch, back stays 3/4-inch, flush joints, carefully reinforced. Heights 22, 24 and 26 inches.

FRONT FORK—Drop forged crown, royal arch pattern, sides new tapered pattern, highly nickel plated at tips and crown.

WHEELS—28 inches, fitted with tangent double butted swaged spokes of Excelsior Needle Co.'s best quality. Hubs: barrel pattern, turned from solid bar steel; cups and cones turned from special tool steel and carefully tempered, large balls, rear hub fitted with detachable sprocket, having 7, 8 or 9 teeth. Rims: best quality Plymouth wood.

HANDLE BARS—Rigid steel, raised, drop orram's horn pattern, or 1898 adjustable second growth hickory, fitted with patent stem and best quality grips.

SADDLE—Gordon, Garford, B. & W., Beck Hygienic or other standard make.

CRANK HANGER—Dropped 2 1/4 inches below center line of wheels. Cones and cups of best tool steel, carefully tempered. Bearings fitted with ball retainers and dust proof washers. Cranks and crank shaft of best two-piece pattern. Sprockets: detachable, new design, stamped from boiler plate steel, 17 to 25 teeth, narrow tread.

CHAIN—Improved 1/4-inch Humber pattern, blued side plates, hardened, bronze color center blocks and rivets.

PEDALS—Niagara or Crosby, either rat trap or rubber as desired.

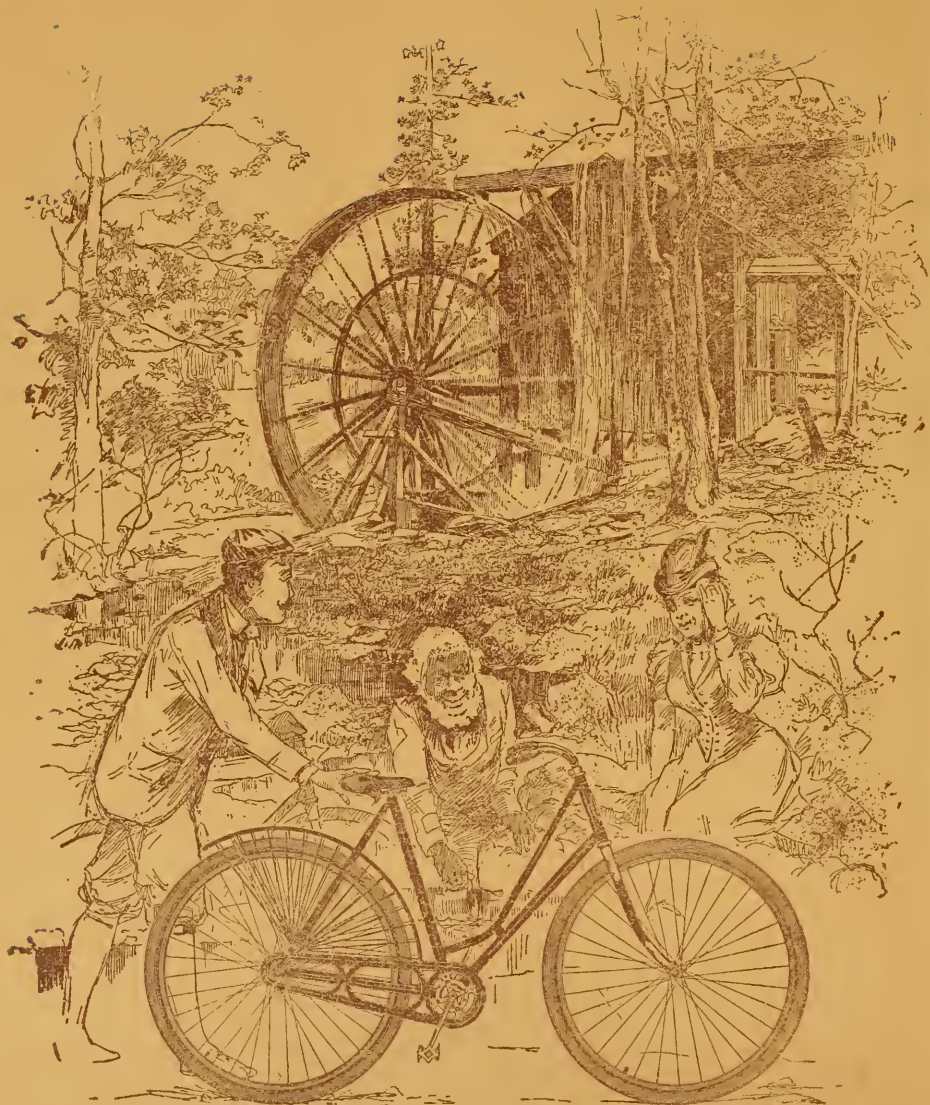
TOOL BAG—Made of high grade leather, and containing full set of tools.

TIRES—Morgan & Wright quick repair, single or double tube.

WEIGHT—22 to 24 lbs.

GEAR—63 to 88.

FINISH—Best enamel, four coats baked on and hand polished, in black, maroon, green or blue; hand striped and decorated. All nickel parts heavily plated on copper.



J. L. E. & S. CO.



The sixth picture of our series shows an old Tennessee corn mill. In these days of modern machinery the old wheel driven by the fall of water on it from the flume twenty feet overhead, is a genuine curiosity. This old mill is still doing a limited business in turning the corn of the country into hominy and meal. Without "hog, hominy and tobacco," a certain class of population in the south would suffer indeed.

In the foreground is our LADIES' SENTINEL MODEL B. We have been told that our Sentinel Model B contains the most value for the price of any wheel competing for popular favor. It has been our ambition to reach that large class, who, desirous of obtaining a reliable mount, were unable to pay the high prices demanded by makers of bicycles. In this machine is combined the strength, durability and substantial qualities required by the average rider, at a price within the reach of those of limited means. We believe it equal in every respect to bicycles sold at the highest prices. Our ladies' machine of this model is of the same specifications as the gentlemen's, with the usual differences between the two styles.





The scene on the opposite page is of an old Mexican Carreta, that stands before the gray walls of the pueblo of Laguna, New Mexico. It is filled with small Indian children, while an Indian water carrier is giving the lady in the picture a drink from the water-skin he is carrying. Altogether, it is a representative picture of the southwestern part of the United States.

The scene shows our **SENTINEL COMBINATION TANDEM** in the foreground. Successful tandem building is something comparatively few manufacturers have been able to accomplish, but we pride ourselves on the success we have attained in this particular. Our Sentinel Tandems are made in both combination and double diamond frames, other specifications being exactly the same.



Specifications

DOUBLE DIAMOND

FRAME—Flush joints throughout, made of the very best quality of seamless steel tubing. Main frame $1\frac{1}{4}$ -inch, top bar $1\frac{1}{2}$ -inch; top and seat post tubes 20-gauge; lower and diagonal tubes 18-gauge; rear forks, $\frac{3}{8}$ -inch tapered to $\frac{1}{4}$ -inch; rear stays, $\frac{3}{4}$ -inch, round, offset over tire; head of 22-inch frame, $5\frac{1}{2}$ inches; 24-inch frame, $7\frac{1}{2}$ inches; hangers of the two-piece pattern dropped $2\frac{1}{2}$ inches; $6\frac{1}{2}$ or 7-inch cranks.

STEERING FORK—Drop forged arch crown, 1-inch seamless fork sides, crown and fork ends nickel plated, double steering attachment.

WHEELS—28-inch, special tandem rims and hubs, swaged spokes, 14-16 gauge; Morgan & Wright quick repair double or single tube tandem tires.

CHAIN— $\frac{1}{4}$ -inch B block, polished blued side plates and straw color blocks, with push back chain adjuster for the rear and eccentric adjustment in front crank hanger for front chain.

BEARINGS—Tool steel, oil tempered and polished, fitted with ball retainers and dust proof devices.

GEAR—Regular 84, any option. L post in front, T post for rear, fastened with internal expanders.

HANDLE BARS— $\frac{7}{8}$ -inch steel, adjustable with expanders.

PEDALS—Brandenburg, Record, Crosby or other high grade pedals.

SADDLES—Regular; Brown pattern padded saddle. Option, any saddle made. Some patented makes will be charged actual difference in wholesale cost extra.

ACCESSORIES—Tool bag with tools, pump and repair kit.

FINISH—Enameled in black, maroon, Brewster green or dark blue, artistically striped and decorated. All bright parts nickeled.

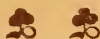
WEIGHT—45 to 48 pounds. Wheel base, 70 inches.

The specifications of the Double Diamond tandem will apply to the Combination tandem, with the exception that the drop furnished is 20-inch only for the front, and 22 and 24-inch rear. Steering head, $7\frac{1}{2}$ -inch.





Our Children's Bicycles are made of the same material, and with the same care as our highest grade full sized wheels. In finish, easy running qualities and perfection of detail they are superior to anything on the market. The specifications of boys' and girls' machines are the same, except that the latter have the regular ladies' style of frame. They are made in three sizes, having 20, 24 and 26-inch wheels.



Specifications

FRAME—Main frame $1\frac{1}{8}$ -inch in 26-inch wheels, and 1-inch in 24 and 20-inch; head $1\frac{1}{4}$ -inch; rear forks and back stays $\frac{3}{4}$ -inch, round; 26-inch boys' wheels have 21-inch frames, 24-inch wheels 19-inch frames, and 20-inch wheels 16-inch frames; 26-inch girls' wheels have 19-inch frames, 24-inch 17-inch frames, and 20-inch 14-inch frames.

WHEELS—Made with best quality hubs, turned from solid steel bars; Indiana wood rims, and best quality spokes.

HANDLE BARS—Raised or dropped. Steel, best quality second growth hickory, adjustable.

SADDLES—Gilliam, Garford, Sager, or other good saddle.

WEIGHTS—26-inch, 22 pounds; 24-inch, 18 pounds; 20-inch, 16 pounds.

TIRES—Morgan & Wright double tube.

Instructions for Ordering



THE prices quoted by us are net, and agents must add their profit when making sales, as we will not allow any commissions.

Our business is conducted on a strictly cash plan, and we do not open accounts, sell on installments, or consign wheels, under any circumstances.

Cash for the full amount with an order entitles the purchaser to a discount of fifty cents on each bicycle purchased. Upon receipt of a remittance of *One Dollar* for each bicycle ordered (if west of Denver or in Canada \$5.00), we will ship, C. O. D. for the balance, allowing examination before acceptance. If you prefer, you can send us express agent's guarantee that charges will be paid *one way* in case the shipment is not accepted, and we will send C. O. D. for the full amount.

If shipment by freight is desired, a remittance of the full amount must accompany orders from towns not having a bank. If there is a bank in your town, we can make draft with bill of lading attached, but in all cases a deposit must accompany orders, as we have no arrangement with railroad companies to accept guarantee of charges.

All bicycles are guaranteed satisfactory, and if not so, we will pay return charges.

Parts for repair or replacement must be sent express charges prepaid, with sender's name and address plainly marked on outside of package, otherwise we will refuse to accept them. If you wish repairs returned by mail, sufficient postage must accompany them or we will send by express.

Morgan & Wright tires are kept in repair free by the manufacturers, and damaged or defective tires must be sent direct to them, express prepaid.



...Guarantee...

WE guarantee all Bicycles of our own manufacture, and all other new Bicycles sold by us, except when sold under the nameplate of another maker, in which case application should be made to him direct. We have adopted the regular Associated Cycle Manufacturers' guarantee for 1898, which will be sent, properly executed and signed, with each Bicycle shipped.

Mead Cycle Company.

WE BELIEVE

MORGAN & WRIGHT TIRES
ARE GOOD TIRES

And fit our Bicycles with them, either double
or single tube.

